Lesson Plan Computer Session (2024-2025)

Class

2.

April

No. of teaching day: 19

Topic – Computer- A wonderful Machine

No. of days required to complete the topic:3

L-1 Computer - A wonderful Machine Learning Outcomes

objective!

(1) Knowledge objective: Students will be able to learn about uses of computer.

(2) Understanding Objective: Students will able to differentiate between computer and human being . They will know about functions of Computer.

(3) Application objective:

Students will understand that a machine is not superior to a human being.

4) Skill objective: Students will be able to know about a multipurpose computer machine.

Previous knowledge Testing.

Students will be asked.

1) Difference between Natural and man-made things.

2) Mayor parts of a computer.

3)Featured of Computer.

Teaching Aids: Chalk, Duster, Board, Books, Computer lab.

Pedagogical Strategies: The teacher will explain about different purposes of computer and state capabilities of a human being and different types of computers how a day and how the computer used an alternative for many things.

Experiential Learning: Students will be given the activity: Paste the picture of gadgets that are not required if computer is present on A4 or coloured sheet.

Art Integration: Different types of computers which are commonly used will be shown to the students in the computer lab and also shown the different purposes of computer.

Interdisciplinary Linkages and infusion of Life skills: Students will be able to know that What are the uses of computer like typing and reading stories, playing games, listening to music, drawing and colouring, solving sums, watching movies and cartoons . It is also used in hospitals and Banks.

Recapitulation: will be done. Oral revision will be given.

Resources including ICT (Information and Communication Technology)->

eBook, Books.

Internet: https://www.youtube.com/watch?v=RQ33KxaCJ4I

Assessment Items: To check the conceptual clarity various types of assessments will be done.

Exercises in the computer book will be done.

Feedback and Remedial Teaching:

Students will be asked to learn different uses of computer and different types of computers in computer lab practically.

Inclusive Practices and full participation Without discrimination.

*Reading Books

*Group Discussion.

*Collaboration

* Watching videos

May

No. of teaching days: 25

Topic: Computers in everyday life

No. of days required to complete the topic: 4

L-2 Computers in everyday life

Learning Outcomes

1) Knowledge objective: Students will be able to lean about different places where computers are used.

2) Understanding objective: Students will be able to learn various uses of computers.

3) Application objective: Students will be able to learn what are the different uses of computer practically.

4) Skill objective: Students will be able to learn about that what we can do on a computer.

Previous knowledge Testing:

Students will be asked about uses of computer. where you can see computer and which type of computer is in the computer lab.

Teaching aids: Chalk, Duster, Board. Books, Computer lab.

Pedagogical Strategies

Teacher will explain about different places where computers are Used and also list the various uses of computers. Teacher will explain that computers play an important role in our everyday life. Most of the electronic gadgets we use, such as refrigerator, microwave, smartphone, food processor and washing machine have computer in them.

Experential Learning: The students will be given an activity of list the places where computers are used and find out two sets of pictures of three places where computers are used and paste them on A4 coloured sheet. and also discuss in class also.

Art Integration:

with the help of teacher, will notice the different uses of computers in computer lab. Also, the students will make a drawing in Tux Paint program and also save it. Students also select the tasks that we can do it on the computer.

Interdisciplinary Linkages and infusion of Life skills:

Students will be able to learn different places where computers are used and also list the various uses of computers like computers used at home for solving sums and reading stories, listening to music, watching movies and playing games. Computers used in hospitals for diagnosing diseases, keeping records of patients and doctors and also to prepare medical reports and bills. Computers used in school for teaching and learning and also to prepare timetables, assessment sheets and report cards.

Recapitulation: will be done. Oral revision. will be given.

Resources including ICT (Information and communication Technology)

eBook, Book

internet: https://www.youtube.com/watch?v=xCql4xSzHyY

Assessment items: To check the conceptual clarity various types of assessments will be done.

Exercises in the computer Book will be done.

Feedback and Remedial Teaching:

Students will be asked what the various uses of computers are and show them practically in computer lab. how the computer is used for different purposes.

Inclusive Practices and Full participation without discrimination

*Reading Books

* Watching videos

* Collaboration

* Group Discussion

July

No. of Teaching days:18

Topic: Parts of a computer

No. of days required to complete the topic: 3

L-3 Part of a computer.

Learning Outcome

1) knowledge Objective: Students will learn about different parts of computer.

2) Understanding objective: Students will

be able to learn the functions of each part of computes.

3) Application objective: Students will be able to learn the process of Input - Process - Output. and also, different input and output devices.

4) Skill objective: Students will be able to learn or recognise the different internal parts of computer and also distinguish between QWERTY and multimedia keyboards.

Previous knowledge Testing:

Students will be asked about different tasks that we can perform on computer and different places where it is used.

Teaching aids: Chalk Duster, Board, Books, computer lab.

Pedagogical Strategies: The teacher will explain that computer is an electronic It needs instructions or data (called input) to do the tasks. To take input, process it and provide result (output), a computer needs the following devices.

Input Devices → Processing Device→ Output device.

The person who gives input to the computer or works on the computer is called a user.

Experential learning: The students will be given an activity of identify the different parts of a computer and group them as input, processing and output devices and also the function of different parts

of a computer and also collect the pictures of the same and paste them on A4 sheet.

Art Integration: with the help of teacher identify the input devices, processing device and output devices in computer lab.

Interdisciplinary Linkages and infusion of life skills

Students will be able to learn about input devices, processing devices and output devices. They learn various input devices and their uses like Keyboard, mouse, microphone, scan and also learn about processing device CPU and also their internal parts like motherboard, memory chip, hard disk, DVD device. The output devices and their uses like headphone, speakers, monitor, printer.

Recapitulation: will be done oral revision will be given.

Resources including ICT (information and communication Technology)

eBook and Book.

Internet: https://www.youtube.com/watch?v=zh10mJEOjJ4

Assessment Items: To check the conceptual clarity various types of assessments will be done.

Exercises in the computer Book will be done.

Feedback and Remedial Teaching:

Students will be asked in the computer lab, show input devices, processing device, output devices.

Inclusive Practices and full Participation without discrimination.

* Reading Books

* Watching videos

* collaboration

* Group Discussion.

August

No. of teaching days : 24

<u>Topic: Computer Memory and Storage</u>

No. of days required to complete the topic: 4

<u>L-4 Computer Memory and Storage</u>

<u>Learning Outcomes</u>

1) <u>Knowledge objective:</u> Students will be able to learn about the use of computer memory.

2) <u>Understanding Objective:</u> Students will be able to understand different types of memory.

3) <u>Application Objective:</u> Students will learn what is the distinguish between RAM and ROM.

4) <u>skill objective:</u> Students will be able to learn about portable storage devices.

<u>Previous knowledge Testing</u>

Students will be asked about what are input devices and processing devices and output devices what are the different internal parts of a computer.

<u>Teaching aids:</u> Chalk, Duster, Board, Books, computer Lab.

<u>Pedagogical Strategies</u>

Teacher will explain about uses of computer memory and the types of computer memory. Distinguish between RAM and ROM. Identify USB port on the system unit and computer and also tell about portable storage devices.
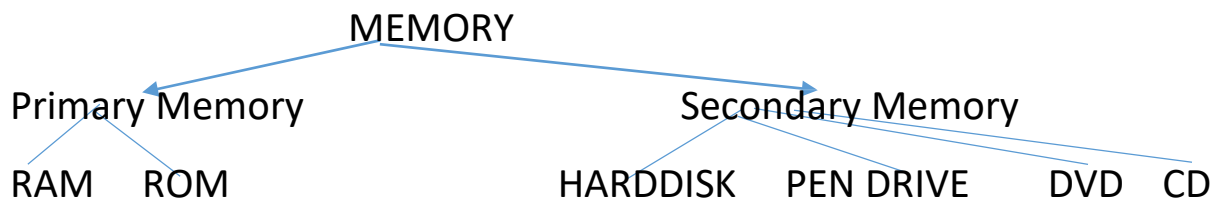
<u>Experential Learning:</u>

The students will be given an activity of collect pictures of primary and secondary storage device sand paste it on A4 sheet to represent primary and secondary memory.

<u>Art integration</u> With the help of teacher, the students will learn how to insert a CD into the CD-ROM. They also search and locate the USB

port on the system Unit. Also, students will learn how to connect a pen drive to the system Unit.

Interdisciplinary Linkages and infusion of Life skills

Students will be able to learn about use of computer memory also recognise different types of memory. Memory is of two types:

MEMORY

Primary Memory   Secondary Memory

RAM   ROM   HARDDISK   PEN DRIVE   DVD   CD

They also learn about what is the difference between RAM and ROM. They all identify USB port on the system Unit and computer. They also learn about portable storage devices.

Recapitulation: will be done. Oral revision will be given.

Resources including ICT (information and communication Technology)

eBook and Book

internet: https://www.educba.com/types-of-memory-in-computer

Assessment Items:

To check the conceptual clarity various types of assessments will be done.Exercises in the computer book will be done.

Feedback and Remedial Testing.

Students will be asked in the computer lab about secondary devices and practically shown them. Also, they learn where to plug pen drive in USB Post.

Inclusive Practices and full participation without discrimination

* Reading Books

* Watching Videos

*Collaboration

* Group Discussion.